

## **Thomas Jefferson Data Summary Cruise 6/20/2010**

Review Date 6/21/10

### **Summary:**

This sampling report presents data collected from the Thomas Jefferson for the period of 6/20/2010. CTD graphs for stations sampled during operational period were included with the data provided for this review. No map was available at the time of this review.

Stations occupied during this reporting period include TJ48 and TJ53.

All stations were sampled for: TPH, VOAs, and oil dispersion (CTD fluoremetry and dissolved oxygen). No samples were collected for bioassay using the Rototox test. Samples were collected from approximately 3 meters to approximately 66 meters below water surface.

Fluorometry and dissolved oxygen CTD plots for the reporting period 6/20/2010 were received along with fluorometry and dissolved oxygen CTD plots for this review.

### **LISST and CTD Fluorometer (data collected from 6/20):**

Water samples were collected at six (6) stations (TJ48 – TJ53). Fluorescence was recorded at each of these stations at approximately 10m below the surface. Stations 51 & 52 indicate the possibility of plume down to approximately 30 m. No LISST data was provided for this reporting period.

### **Dissolved Oxygen (data collected from 6/20):**

Dissolved oxygen values recorded by the CTD indicated decreased DO readings at these stations correlating with the above stated fluorescence. Station TJ52 showed a decrease in DO at a depth of approximately 28m that was not associated with a fluorescence signal. The most significant decrease in DO appears approximately 8m for most of these stations.

### **Toxicity Testing (Rototox Assay) (data collected from 6/20)**

No samples were collected for Rototox Assay.

### **Chemical Analyses (TPH and VOCs) (data collected from 6/20)**

Forty-eight (48) samples were collected for VOC analysis, including duplicates, and twenty-four (24) samples were collected for TPH analysis. No data were provided for review at this time due to laboratory lag time.